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PTO/SB/05 (11-00)

Approved for use through 10/31/02. OMB 0651-0032  
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# UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 491712000100

First Inventor Eugene SMOTKIN

Title

HYDROGEN PERMEABLE MEMBRANE FOR USE IN FUEL CELLS, AND  
PARTIAL REFORMATE FUEL CELL SYSTEM HAVING REFORMING  
CATALYSTS IN THE ANODE FUEL CELL COMPARTMENT

(Only for new nonprovisional applications under 37 CFR 1.53(b))

## CERTIFICATE OF HAND DELIVERY

I hereby certify that this correspondence is being hand filed with the United States Patent and Trademark Office in Washington, D.C. on June 26, 2001.

N. DeRiggi

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g. PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 65]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 USC 113) [Total Sheets 12]
5. Oath or Declaration [Total Pages 3]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☒ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (where there is an assignee) ☐ Power of Attorney
11. ☐ English Translation document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. \*  
Prior application information: Examiner \* Group / Art Unit: \*

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

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| Name (Print/Type) | Raj S. Davé, Ph.D., J.D. | Registration No. (Attorney/Agent) | 42,465 |
| Signature         | Date June 26, 2001       |                                   |        |

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Complete if Known

**FEE TRANSMITTAL  
FOR FY 2001**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$2,011.00

Application  
Number

NEW

Filing Date

June 26, 2001

First Named  
Inventor

Eugene S. SMOTKIN

Examiner  
Name

unassigned

Group Art  
Unit

unassigned

Attorney  
Docket No.

491712000100

## METHOD OF PAYMENT

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number

03-1952

Deposit  
Account  
Name

Morrison &amp; Foerster LLP

- ☒
- Charge Any Additional Fee Required
- 
- Under 37 CFR 1.16 and 1.17
- 
- ☒
- Applicant claims small entity status.
- 
- See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description        | Fee<br>Paid |
|----------------------|-----------------------|----------------------|-----------------------|------------------------|-------------|
| 101                  | 710                   | 201                  | 355                   | Utility filing fee     | 355         |
| 106                  | 320                   | 206                  | 160                   | Design filing fee      |             |
| 107                  | 490                   | 207                  | 245                   | Plant filing fee       |             |
| 108                  | 710                   | 208                  | 355                   | Reissue filing fee     |             |
| 114                  | 150                   | 214                  | 75                    | Provisional filing fee |             |

SUBTOTAL (1) (\$355.00

## 2. EXTRA CLAIM FEES

|                       | Total Claims | Extra<br>Claims | Fee from<br>below | Fee Paid      |
|-----------------------|--------------|-----------------|-------------------|---------------|
|                       | 69           | - 20** =        | 49                | x 9 = \$441   |
| Independent<br>Claims | 29           | - 3** =         | 26                | x 40 = \$1040 |
| Multiple Dependent    |              |                 | x 135 =           | \$135         |

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description   | Fee<br>Paid |
|----------------------|-----------------------|----------------------|-----------------------|---|-------------|
| 103                  | 18                    | 203                  | 9                     | Claims in excess of 20                                    |             |
| 102                  | 80                    | 202                  | 40                    | Independent claims in excess of 3                         |             |
| 104                  | 270                   | 204                  | 135                   | Multiple dependent claims, if not paid                    |             |
| 109                  | 80                    | 209                  | 40                    | **Reissue independent claims over original patent         |             |
| 110                  | 18                    | 210                  | 9                     | **Reissue claims in excess of 20 and over original patent |             |

SUBTOTAL (2) (\$1616.00

\*\* or number previously paid, if greater; For reissues, see above.

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description  | Fee Paid |
|----------------------|-----------------------|----------------------|-----------------------|--|----------|
| 105                  | 130                   | 205                  | 65                    | Surcharge - late filing fee or oath  |          |
| 127                  | 50                    | 227                  | 25                    | Surcharge - late provisional filing fee or cover sheet                       |          |
| 139                  | 130                   | 139                  | 130                   | Non-English specification  |          |
| 147                  | 2,520                 | 147                  | 2,520                 | For filing a request for <i>ex parte</i> reexamination                       |          |
| 112                  | 920*                  | 112                  | 920*                  | Requesting publication of SIR prior to Examiner action                       |          |
| 113                  | 1,840*                | 113                  | 1,840*                | Requesting publication of SIR after Examiner action                          |          |
| 115                  | 110                   | 215                  | 55                    | Extension for reply within first month                                       |          |
| 116                  | 390                   | 216                  | 195                   | Extension for reply within second month                                      |          |
| 117                  | 890                   | 217                  | 445                   | Extension for reply within third month                                       |          |
| 118                  | 1,390                 | 218                  | 695                   | Extension for reply within fourth month                                      |          |
| 128                  | 1,890                 | 228                  | 945                   | Extension for reply within fifth month                                       |          |
| 119                  | 310                   | 219                  | 155                   | Notice of Appeal   |          |
| 120                  | 310                   | 220                  | 155                   | Filing a brief in support of an appeal                                       |          |
| 121                  | 270                   | 221                  | 135                   | Request for oral hearing   |          |
| 138                  | 1,510                 | 138                  | 1,510                 | Petition to institute a public use proceeding                                |          |
| 140                  | 110                   | 240                  | 55                    | Petition to revive - unavoidable   |          |
| 141                  | 1,240                 | 241                  | 620                   | Petition to revive - unintentional   |          |
| 142                  | 1,240                 | 242                  | 620                   | Utility issue fee (or reissue)   |          |
| 143                  | 440                   | 243                  | 220                   | Design issue fee   |          |
| 144                  | 600                   | 244                  | 300                   | Plant issue fee  |          |
| 122                  | 130                   | 122                  | 130                   | Petitions of the Commissioner  |          |
| 123                  | 50                    | 123                  | 50                    | Petitions related to provisional applications                                |          |
| 126                  | 180                   | 126                  | 180                   | Submission of Information Disclosure Stmt                                    |          |
| 581                  | 40                    | 581                  | 40                    | Recording each patent assignment per properties (times number of properties) | 40       |
| 146                  | 710                   | 246                  | 355                   | Filing a submission after final rejection (37 CFR § 1.129(a))                |          |
| 149                  | 710                   | 249                  | 355                   | For each additional invention to be examined (37 CFR § 1.129(b))             |          |
| 179                  | 710                   | 279                  | 355                   | Request for Continued Examination (RCE)                                      |          |
| 169                  | 900                   | 169                  | 900                   | Request for expedited examination of a design application                    |          |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$40.00

## SUBMITTED BY

Name (Print/Type)

Raj S. Dave, Ph.D., J.D.

Registration No.  
(Attorney/Agent)

42,465

Complete (if applicable)

Telephone

202-887-8798

Signature

Date

June 26, 2001

Burden Hour Statement: This form is estimated to take 0.7 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.  
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